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## **WARNING!!**

The use and operation of this device constitutes an agreement of full release of any and all liability connected with such use. Only personnel familiar with the safe use and operation of high-power audio equipment should attempt to operate this device.

In addition, by the use of this device, user agrees to hold both Genz Benz/Tube Works, its designers, sales agents and all other affiliates and related parties harmless in the event of any accident, damage or loss resulting from such use.

Manufacturer's sole responsibility is to provide a warranty on the specified performance of the product under normal conditions.

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## **WARRANTY**

Your TUBE WORKS product is warranted for a period of three years against defects in workmanship or materials in the electronic components. The speaker(s), reverb tank and cabinet are warranted for a period of ninety (90) days from date of purchase. This warranty applies only to the original registered owner provided he/she has returned a completed Owners Registration Card within fifteen (15) days of purchase. This warranty covers parts and labor only; shipping charges remain the sole responsibility of the owner. *Damage due to misuse, modification or abuse is excluded from this warranty.*

Before returning any unit for service, a RETURNED MERCHANDISE AUTHORIZATION NUMBER (RMA#) must be obtained by calling 602-941-0705 during normal business hours.

## **Tube Works**

a division of  
**GENZ BENZ ENCLOSURES**

7811 E. Pierce St.  
Scottsdale, AZ 85257  
602-941-0705  
Fax  
602-946-2412

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# **Tube Works 7200H Mos Valve Bass Amplifier OWNERS MANUAL**

### **IMPORTANT FEATURES**

- ◆ 130 Watt @ 8 ohm/200 Watt @ 4ohm MosValve power
- ◆ F.E.T. or TUBE preamp operation
- ◆ 4 band E.Q. Section
- ◆ Unique Contour feature
- ◆ "Dynamic Response" Limiter
- ◆ Hand built and manufactured w/ black carpeting for durability

**Look to this new model for unique features and powerful, dynamic response for bass reproduction.**

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## FRONT PANEL FEATURES

**TUBE/F.E.T. SWITCH** Selects either the TUBE or F.E.T. preamp. Generally speaking, TUBE will give a slightly fatter, more colored tone with slightly more distortion and decreased headroom at high volume settings. F.E.T. offers the quietest, most accurate and tightest response.

**INPUTS** Input 1 is +6db for passive basses and Input 2 is set @ 0db for active basses. NOTE: Input s are summing, allowing for two instruments of similar outputs to be successfully summed.

**VOLUME** Controls gain through the input preamp(either TUBE or F.E.T.)

**LIMITER** Averages input signal levels to increase headroom and help prevent excessive speaker bottoming due to large signal transients. The unique quality of this type of limiter is that it still retains dynamic response even at high(numerical) settings. Limiting will increase as the control is moved towards "10". The associated red LED will indicate limiter activity on a continuous basis. The Limiter is cancellable via a rear-panel foot switch jack or by setting the control to "0".

**CONTOUR** Forms a gentle over-all bass response slope across the most active bass frequencies. This is very useful in compensating for stage size and room acoustics.

**LO** Controls and shelves frequencies in the extreme low-end of the spectrum of 150 HZ and less.

**LO MID** Controls frequencies between 100 HZ and 400 HZ.

**MID** Extremely wide-range control of frequencies between 400 HZ and 1500 HZ.

**HI** Shelves and controls frequencies of 1500 HZ and higher. NOTE: these EQ controls are interactive. There is mild reaction between the controls including some phase shifting. This results in continuously variable coloration of your tone including aural enhancement.

**MASTER** Controls input gain to the power amp section. For best signal-to-noise ratio set the input volume relatively high and use relatively lower settings of the Master volume. The Limiter is more active with higher input settings as well.

**EFFECTS MIX** This control mixes the signal at the "Effects In" jack on the rear panel. Rotating the control towards "EFX" mixes more of the effect's sound, while "Dry" mixes more of the pre-effect signal to the power amp.

**POWER** Supplies mains power to the amp. Be certain that the proper voltage is supplied to the amp. The rated voltage for your unit is indicated on the rear panel. The green LED is the power indicator.

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## REAR PANEL FEATURES

**VOLTAGE SWITCH** This amp is equipped with a dual voltage transformer. In the USA always use the 115V position. For Europe use the 230V position and the correct fuse value.

**POWER INLET SOCKET** USA:Connect only to 110-120V, 60Hz receptacle with the detachable power cord supplied. Always use a grounded outlet to avoid operating problems and to increase safety margin.

**FUSE** Use fast-blo 4 amp for 120V US versions or 2 amp for 220-240V versions. Always replace with the same type and size fuse.

**SPEAKERS** Use these jacks for speaker output only. Minimum total impedance is 4 ohms. Lower impedance operation is not recommended, and may eventually overheat and damage the amp.

Note: RMS Power: 130 Watts @ 8 ohms/200 Watts @ 4 ohms.

**LINE OUT** Attenuated signal from the output of the amp. All of the tone of the amp, including the output is available at this jack. Potential applications: Slaving to another combo or power amp and recording. This output is isolated from the chassis ground to help prevent ground loops.

**LIMITER CANCEL** This jack provides for a simple shorting-type footswitch operation of the Limiter.

**EFFECTS LOOP** This system provides ultimate flexibility and control for your effects, regardless of type. *Special note for proper use of the effects loop:*

*"SEND" with as much level as you can without distorting the effect.*

*"RECEIVE" with the minimum level possible to reach unity gain with or without*

*the effect activated.*

**PRE EQ/POST LOOP SWITCH** Selects the output mode of the "Preamp Output" balanced connector. "Pre EQ" setting will send the amplified preamp output-Volume control output- directly to this connector. The F.E.T. or Tube will be included in this setting, but no EQ or effects. "Post EQ" setting will include all front-panel controls include the Effects Loop setting.

**DIRECT OUT** True balanced output of the bass signal useful for sending direct -to- board signals through long snakes. The impedance on both this and the previous output is less than 200 ohms and completely balanced.

